

DC Servo Drives (Amplifiers)

TRM has a range of high quality amplifiers. TRM Amplifiers work in current mode (torque mode) where the input command voltage controls the output current (torque). The amplifier will adjust duty cycle to maintain the commanded current. This is the most common mode when an external controller is used which can close the velocity and/or position loops. These Amplifiers are self contained with a heavy duty heat sink and a quick and easy mounting system.

All prices are ex-works UK and in Great Britain Pound (GBP). Please visit www.xe.com to convert it to local money.

Servo Drive Model Servo Drive Features include the following

10 Amps

DC Servo Drive

Datasheet

Manual

10 Amp DC Servo Drive

Price: GBP 85.00

(For OEM's and machine integrators discounts apply)

- Input range (maximum 100 volts)
- Adjustable current limit
- Adjustable null offset
- Adjustable gain control
- Enable and Error indicators
- Current mode operation (Torque Mode)
- +/- 10 volt command signal

- All functions clearly identified and easily accessible
- Enable High or Enable Low
- Built in heatsink *

- Mounting via four 4mm slots
- Current sense output 0 to 2.5 volts

20 Amps

DC Servo Drive

Datasheet

Manual 20 Amp DC Servo Drive

Price: GBP 110.00

(For OEM's and machine integrators discounts apply)

- Input range (maximum 100 volts)
- Adjustable current limit
- Adjustable null offset
- Adjustable gain control
- Enable and Error indicators
- Current mode operation (Torque Mode)

- +/- 10 volt command signal
- All functions clearly identified and easily accessible
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DC Servo Drive (Amplifiers) Range

The TRM Analogue Amplifier is a breakthrough in amplifier technology. Utilizing the latest in electronic techniques, this compact current mode amplifier is capable of driving brushed DC Servo motors continuously at 80 volts at 5, 10, 15 or 20 amps depending on the amplifier model used. Connections are made via two connectors, one for the low voltage signals and the other for the higher voltage motor supply. The DC analogue amplifier has all the major features expected: Gain, Offset, Current limit control, Enable and Error indicators and a ± 10 volt input signal range. The opto-isolated amplifier enable signal is capable of being driven high or low depending on the users application.

* Cooling is dependant upon each particular situation - ambient temperature, quantity of other heat generating devices etc.

Power Stage Specifications				DC SUPPLY
CA-5	CA-10	CA-15	CA-20	
VOLTAGE				
24-100 volts				
24-100 volts				
24-100 volts	24-100 volts			
PEAK CURRENT				
5 Amp				
10 Amp	15 Amp	20 Amp		
5 Amp	10 Amp			
15 Amp	20 Amp			
MINIMUM LOAD INDUCTANCE				
200 uH				
200 uH	200 uH	200 uH		
33 Khz				
33 Khz				
33 Khz				
33 Khz				
HEATSINK TEMPERATURE RANGE				
0 - 70 C				
0 - 70 C				
0 - 70 C				
0 - 70 C				
OVER VOLTAGE PROTECTION				
106 V				
106 V				
106 V				
106 V				
BANDWIDTH				
Greater than 1 Khz				
Greater than 1 Khz				
Greater than 1 Khz				
Greater than 1 Khz				

Mechanical specifications:

POWER CONNECTOR	SIGNAL CONNECTOR
Screw terminals plug on CA-5 and CA-10	SIZE
Screw terminals plug in on CA-15 and CA-20	
135 x 89 x 43,5 millimetres	
WEIGHT	
395 g	
MOUNTING	
4 mm slots	

Click [Here](#) for data sheet and [Here](#) for the manual.

for more information please visit our home page at: <http://www.trminternational.com>